```
=> file .nash
=> s (rugosa or cylindracea) and lipase
```

225 FILE MEDLINE

L21913 FILE CAPLUS

L31318 FILE SCISEARCH L4365 FILE LIFESCI

L5 991 FILE BIOSIS

589 FILE EMBASE

TOTAL FOR ALL FILES

5401 (RUGOSA OR CYLINDRACEA) AND LIPASE

=> s 17 and (muta? or variant)

TOTAL FOR ALL FILES

146 L7 AND (MUTA? OR VARIANT)

 \Rightarrow s 114 and (lypase 3 or lip(1w)3 or crl(1w)3)

TOTAL FOR ALL FILES

0 L14 AND (LYPASE 3 OR LIP(1W) 3 OR CRL(1W) 3)

=> s l14 and 399

TOTAL FOR ALL FILES

0 L14 AND 399

=> s 114 and 395

TOTAL FOR ALL FILES

0 L14 AND 395

=> s 114 and 148

TOTAL FOR ALL FILES

0 L14 AND 148

=> log y

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DATE: Friday, October 08, 2004

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	DB = USPT, U	SOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=	YES; OP=ADJ
	L3	L2 and (lipase 3 or lip3 or CRL3)	4
	L2	L1 and (muta\$6 or variant\$)	153
	L1	lipase and (rugosa or cylindracea)	722

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 6030798 A

Using default format because multiple data bases are involved.

L3: Entry 1 of 4

File: USPT

Feb 29, 2000

Jul 8, 1997

US-PAT-NO: 6030798

DOCUMENT-IDENTIFIER: US 6030798 A

TITLE: Method of identifying a lipase for treatment of digestive disorders

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Braatz; Reinhard Wedel DE Kurth; Roland Limburgerhof DE Menkel-Conen; Elke Speyer DE Rettenmaier; Hansjoerg DE Gruenstadt Friedrich; Thomas Darmstadt DE Subkowski; Thomas DE Mutterstadt

US-CL-CURRENT: 435/7.32; 424/94.6, 435/7.1

Full	Tit	le Citation Fron	t Review	Classification	Date	Reference	a quance	"Attamans"	Claims	KWIC	Drawt De
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	2.	Document II	D: US 56	45832 A							

File: USPT

US-PAT-NO: 5645832

L3: Entry 2 of 4

DOCUMENT-IDENTIFIER: US 5645832 A

** See image for Certificate of Correction **

TITLE: Use of lipases for producing drugs

DATE-ISSUED: July 8, 1997

INVENTOR-INFORMATION:

CITY ZIP CODE COUNTRY NAME STATE Braatz; Reinhard Wedel DE Kurth; Roland Limburgerhof DΕ Menkel-Conen; Elke DE Speyer

DE Gruenstadt Rettenmaier; Hansjoerg DΕ Darmstadt Friedrich; Thomas Mutterstadt DE Subkowski; Thomas

US-CL-CURRENT: 424/94.6; 435/198, 435/244, 435/253.3

ABSTRACT:

The use of bacterial <u>lipases</u> which show an immunological cross-reaction with the antibodies to the lipase produced by the microorganism Pseudomonas spec. DSM 6483 and/or Pseudomonas cepacia IAM 1057 for producing drugs for the therapy of maldigestion is described.

1 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full Title Citation Front Review Classification C	ate Reference Sequences Subjects	nentse Claims KWIC Draw. De
☐ 3. Document ID: US 5489530 A		
L3: Entry 3 of 4	File: USPT	Feb 6, 1996

US-PAT-NO: 5489530

DOCUMENT-IDENTIFIER: US 5489530 A

TITLE: Lipase from Pseudomonas and strain

DATE-ISSUED: February 6, 1996

INVENTOR-INFORMATION:

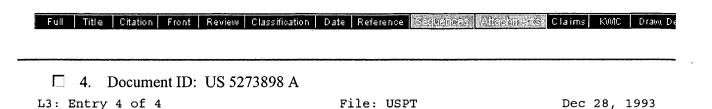
NAME	CITY	STATE	ZIP CODE	COUNTRY
Braatz; Reinhard	Wedel			DE
Kurth; Roland	Limburgerhof			DE
Menkel-Conen; Elke	Speyer			DE
Rettenmaier; Hansjoerg	Gruenstadt			DE
Friedrich; Thomas	Darmstadt			DE
Subkowski; Thomas	Mutterstadt			DE

US-CL-CURRENT: 435/253.3; 424/94.6, 435/198

ABSTRACT:

The use of bacterial lipases which show an immunological cross-reaction with the antibodies to the lipase produced by the microorganism Pseudomonas spec. DSM 6483 and/or Pseudomonas cepacia IAM 1057 for producing drugs for the therapy of maldigestion is described.

2 Claims, 0 Drawing figures Exemplary Claim Number: 1



US-PAT-NO: 5273898

DOCUMENT-IDENTIFIER: US 5273898 A

TITLE: Thermally stable and positionally non-specific lipage isolated from Candida

DATE-ISSUED: December 28, 1993

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Ishii; Michiyo Sapporo

US-CL-CURRENT: 435/198; 435/134, 435/921

ABSTRACT:

Thermally stable, positionally non-specific lipases native to Candida species of C. antartica, C. tsukubaensis, C. auriculariae, C. humicola, and C. foliarum, are isolated. The <u>lipase</u> of C. antarctica, is preferred. Two <u>lipase</u> activities are elaborated by C. antarctica. One lipase fraction being 43 kD in molecular weight, and of an isoelectric point of about 8.0 and has excellent thermostability. The other fraction being 33 kD in molecular weight and of an isoelectric point of about 6.0 and has high retention of residual activity at pH 10.

21 Claims, 10 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Marine property	MEDINERS	Claims	KWMC	Draw, De
Clear		Gener	ate Col	lection	* Print	l a F	wd Refs	Bkwd	Refs	Gener	ate OA	cs -
									Edi			
	Ter	ms							Documents			
	L2	and (lip	ase 3 c	r lip3 o	r CRL3)						4	

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